

CLAIMS

1. An ultrasonic probe comprising;
an ultrasonic transducer unit emitting ultrasonic
5 waves while swinging,
a motor generating a power for swinging said
ultrasonic transducer unit,
a first power transmission means connected to the
rotating shaft of said motor and transmitting said power,
10 a drive means connected to said first power
transmission means and rotated by said transmitted power,
a cable-like second power transmission means
transmitting said power by the rotation of said drive
means,
15 a swing means, on which said ultrasonic transducer
unit is mounted, swinging said ultrasonic transducer
unit with said power due to the rotation of said drive
means transmitted through said second power transmission
means,
20 a first fixing means to which both ends of the
second power transmission means are fixed and which is
fixedly attached to said swing means together with said
fixed second power transmission means,
a second fixing means fixing, to said drive means,
25 an opposite end of said fixed and ring-shaped second

power transmission means, which is opposed to the fixed end.

2. The ultrasonic probe according to claim 1,

5 wherein said first fixing means is formed with a material capable of being deformed by an external force and having a plurality of penetrating holes that are interconnected with one another inside thereof,

wherein the first fixing means is applied thereto

10 with a compressing force under a condition where both ends of said second power transmission means are permitted to pass from one hole of said plurality of penetrating holes to another, to thereby be integrally fixed together with said second power transmission means,

15 said first fixing means being fixed to said swing means together with said fixed second power transmission means.

3. The ultrasonic probe according to claim 1 or 2,

wherein said second fixing means comprises a screw

20 that tightening said second power transmission means to said drive means.

4. The ultrasonic probe according to claim 3,

wherein said screw is provided with a plate-like

25 portion, which is provided for preventing said second

power transmission means from being damaged due to tightening of said screw.